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United States
Department of
Agriculture

Soil
Conservation
Service

Boise
Idaho



WATER SUPPLY OUTLOOK FOR IDAHO

in Cooperation with Idaho State Department of Water
Resources, Idaho Soil Conservation Districts, and NOAA,
National Weather Service



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FEB 1 1985

February 1, 1985

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Up to 75 percent of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data effecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent as surveyed and marked locations in mountain areas. These measurements are repeated in the same location near the same dates each year. Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Snotel (snow telemetry) networks of automatic snow water equivalent and related data sensing devices, are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. A joint Soil Conservation Service and National Weather Service report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs. This report can be obtained from Soil Conservation Service, National Technical Center, Rm. 510, 511 NW Broadway, Portland, Oregon 97209.

In California, the program is coordinated by the California Department of Water Resources. The Canadian provinces of British Columbia and Alberta have comparable programs.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states.

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	2490 W. 26th Ave., Diamond Hill, Bldg. A, Denver, Colorado 80211
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	Room 443, Federal Building, 10 East Babcock, Bozeman, Montana 59715
Nevada	50 S. Virginia Street, P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S.W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U.S. Court House, Spokane, Washington 99201
Wyoming	Federal Office Building, 100 East B. Street, Casper, Wyoming 82601

WATER SUPPLY OUTLOOK
FOR
IDAHO
and
Federal-State-Private Cooperative Snow Surveys

Issued by
Peter C. Meyers
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Washington, D. C.

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In cooperation with
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Soil Conservation Districts
NOAA-National Weather Service
Idaho Power Company
FMC Corporation
Washington Water Power Company

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Soil Conservation Service
Snow Survey Office
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WATER SUPPLY OUTLOOK for IDAHO



GENERAL STATEMENT FOR FEBRUARY 1, 1985

February 1 snow surveys show snow accumulation during January was well below normal and snowpack conditions which were above to well above average last month now range from below to slightly above average. In general, higher elevation stations reported less than 25 percent of their normal January increases while lower elevation stations reported 25 to 50 percent of normal increases. Basin snowpack conditions now range from a low of 68 percent of average on the Little Lost River and Beaver-Camas Creek drainages in eastern Idaho to 122 percent of average on the Owyhee basin in southwestern Idaho.

This January was one of the driest on record across the state with Idaho City receiving only 4 percent of its normal precipitation while Ketchum had only 8 percent of normal. Sandpoint recorded its driest January since records began and Boise recorded its second driest since records began in 1864. In general, precipitation amounts were in the 25 to 45 percent range.

A strong temperature inversion held over much of Idaho during the month. This kept valley temperatures very cold while some mountain stations had readings in the forties. Many valley readings never rose above the freezing mark in January. An outbreak of arctic air at the end of the month sent temperatures well below the zero mark. A few of the coldest temperatures were at Stanley with 39 degrees below zero and Bear Lake with 37 degrees zero.

Reservoir carryover storage remains near normal at 106 percent of average in 21 key reservoirs across the state, ranging from 22 percent of average in Coeur d'Alene Lake to 296 percent of average in Salmon Falls Creek Reservoir.

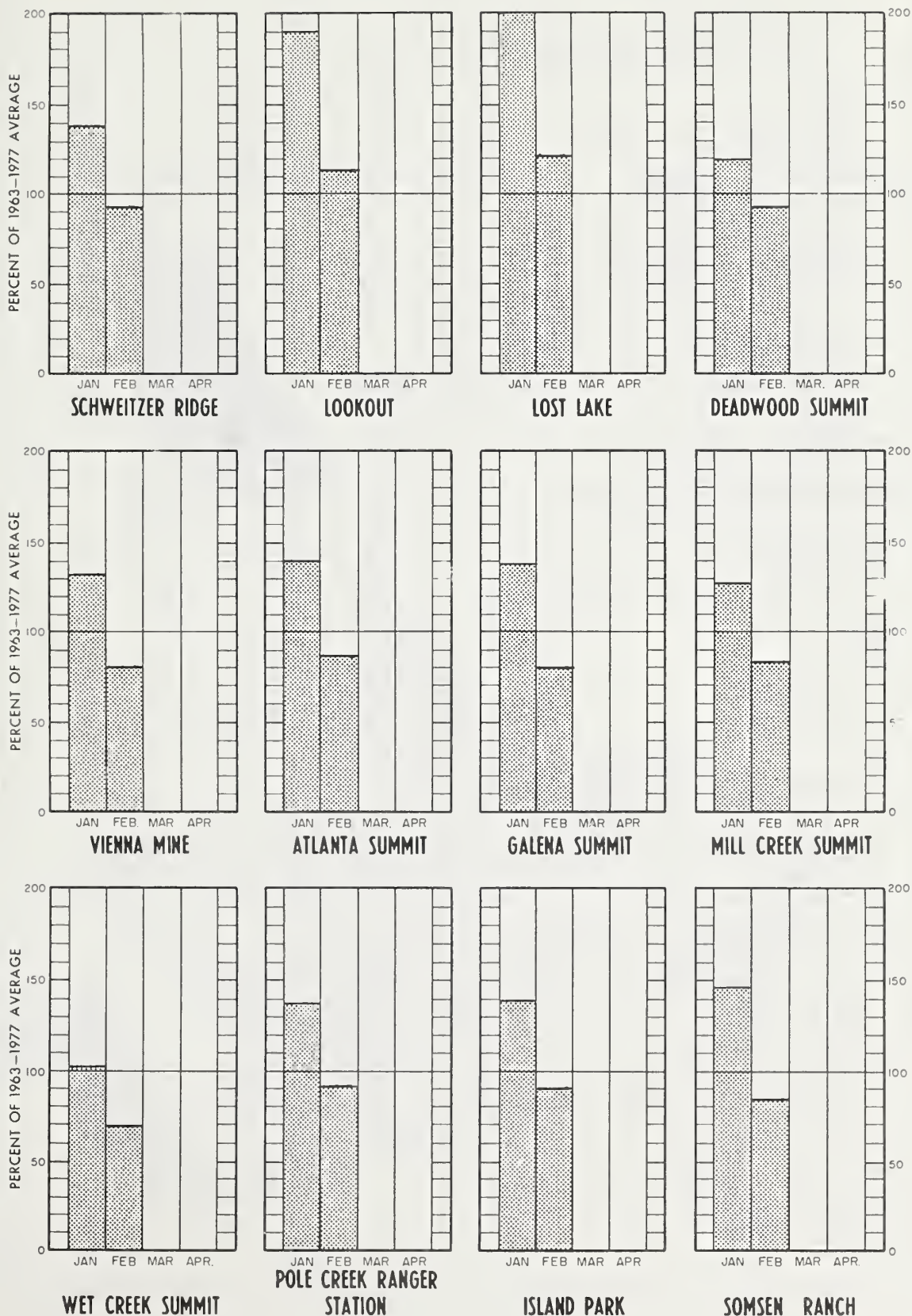
Soil moisture conditions are near normal in northern and central Idaho and above normal in the southern and eastern part of the state.

Streamflow forecasts have been substantially reduced from those issued near the first of January. Forecasts for the April-July period now range from a low of 78 percent of normal in the Little Wood near Carey to 118 percent on the inflow to Oakley Reservoir.

Normal or near normal precipitation will be needed for the remainder of the season to assure Idaho water users of an adequate water supply for 1985.

SNOW WATER DEPTHS ACCUMULATION For Selected Snow Courses

As Compared To 1963 - 1977 15 Year Average



COMPARISON of SNOW COVER

RIVER BASIN WATERSHED	NO.OF COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	1961-80 Average
<u>UPPER COLUMBIA RIVER BASIN</u>			
Kootenai River	36	151	96
Pend Oreille River	98	144	100
Clark Fork River	61	144	96
Clark Fork above Blackfoot, Mt	27	135	84
Lower Clark Fork below Missoula, Mt	11	169	114
Blackfoot River, Mt	13	139	86
Flathead River	37	143	104
North Fork Flathead	10	152	100
Middle Fork Flathead	9	164	101
South Fork Flathead	9	139	112
Bitterroot River	10	120	87
Priest River	4-5	141	104
Spokane River	10-13	177	117
Coeur d'Alene River	6-8	179	116
St. Joe River	4-5	174	117
<u>LOWER SNAKE RIVER BASIN</u>			
Clearwater River	15-16	153	109
North Fork Clearwater	11-12	157	113
Lochsa	4	139	96
Selway	1	140	92
Salmon River	15-17	111	91
Salmon above Salmon	5-6	95	81
<u>MIDDLE SNAKE RIVER BASIN - Northside</u>			
Little Lost River	3-4	80	68
Big Lost River	3-4	98	82
Little Wood River	4	90	76
Big Wood River	11-13	84	83
Big Wood River above Magic Reservoir	8-9	91	81
Camas Creek	3-4	70	92
Canyon Creek	1	60	95
Boise River	16-19	81	89
Middle Fork Boise	8-10	87	87
South Fork Boise	8-9	81	86
Payette River	15-16	113	98
South Fork Payette	6-7	101	94
North Fork Payette	9	124	100
Weiser River	4-6	116	97
<u>MIDDLE SNAKE RIVER BASIN - Southside</u>			
Raft River	1-2	53	95
Goose-Trapper Creeks	-	-	-
Salmon Falls Creek	7-8	44	81
Bruneau River	4-6	52	103
Owyhee River above Owyhee Lake	9-17	47	122
<u>UPPER SNAKE RIVER BASIN</u>			
Upper Snake above Palisades Reservoir	29	92	84
Snake above Jackson, Wy	8	111	94
Gros Ventre, Wy	3	84	76
Greys Rivers, Wy	4	77	70
Salt River, Wy	5	82	89
Camas-Beaver Creeks	2-3	86	68
Henrys Fork River	7-8	107	104
Teton River	9	95	100
Willow Creek	7-9	84	106
Blackfoot River	4-5	75	95
Portneuf River	5-9	70	92
<u>GREAT BASIN</u>			
Bear River	5	79	104
Montpelier Creek	6	78	94
Mink Creek	1-4	59	90
Cub River	3	61	97

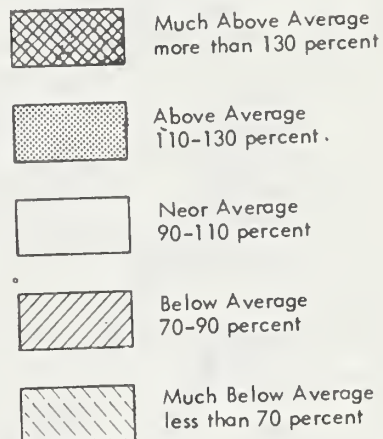
SNOW WATER DEPTHS

As percent of 1961-80 20 year average
FEBRUARY 1

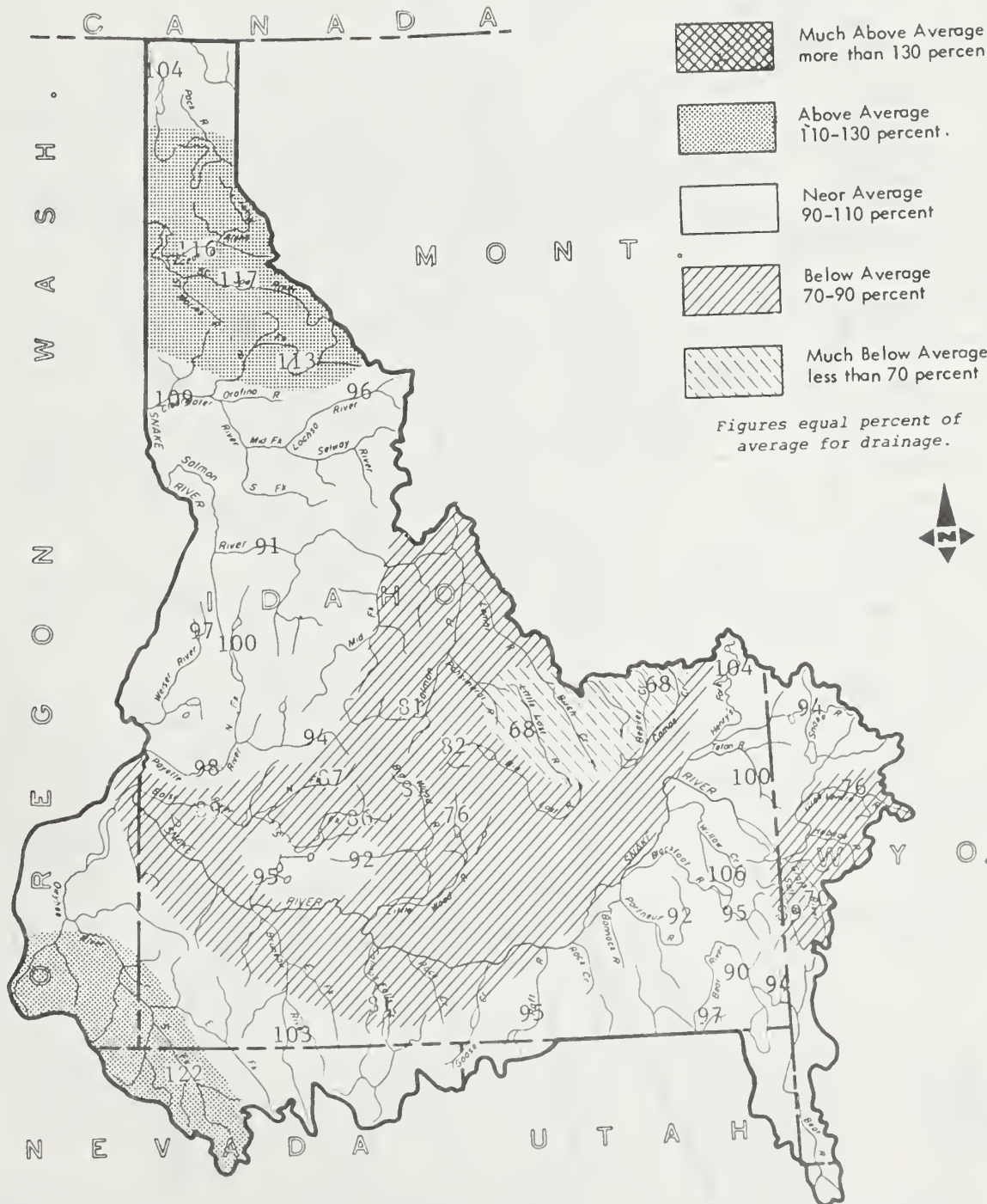
IDAHO



LEGEND



Figures equal percent of
average for drainage.



RESERVOIR STORAGE (1,000 Ac. Ft.)

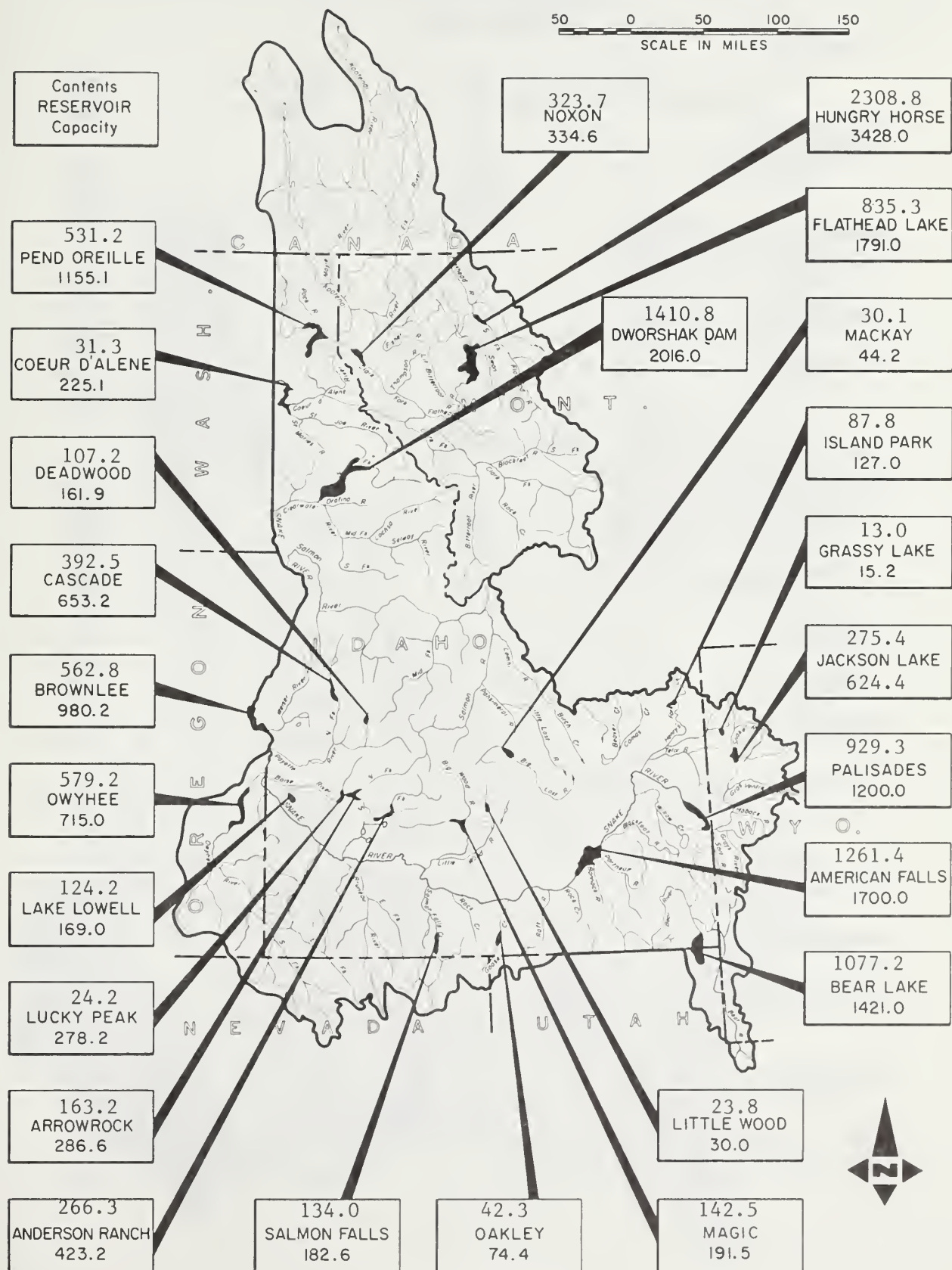
RESERVOIR	USABLE CAPACITY	MEASURED (First of Month)		
		THIS YEAR	LAST YEAR	1961-80 Average
UPPER COLUMBIA BASIN				
Clark Fork - Pend Oreille				
Hungry Horse	3428.0	2308.0	2610.0	2353.0
Flathead	1791.0	835.3	875.0	1179.0
Pend Oreille	1155.1	531.2	604.8	379.8
Noxon	334.6	323.7	318.9	312.2
Spokane				
Coeur d'Alene	225.1	31.3	170.1	142.4
SNAKE BASIN				
Snake				
Jackson Lake	624.4	275.4	489.7	552.7
Palisades	1200.0	929.3	972.0	829.9
American Falls	1673.0	1261.4	1042.2	1134.6
Island Park	127.0	87.8	111.1	99.3
Grassy Lake	15.2	13.0	13.9	10.1
Brownlee	980.2	562.8	781.5	659.9
Goose-Trapper Creeks				
Oakley	74.4	42.3	42.9	25.6
Salmon Falls Creek				
Salmon Falls	182.6	134.0	77.0	45.2
Big Lost				
Mackay	44.2	30.1	32.8	29.2
Big Wood				
Magic	191.5	142.5	100.3	86.7
Little Wood				
Little Wood	30.0	23.8	14.4	14.7
Fish Creek				
Carey Valley	14.4	7.3	9.0	--
Boise				
Anderson Ranch	423.2	266.3	226.9	253.0
Arrowrock	286.6	163.2	67.8	241.4
Lucky Peak	278.2	24.2	177.5	77.0
Lake Lowell (Deer Flat)	169.0	124.2	132.7	114.7
Owyhee				
Owyhee	715.0	579.2	590.7	336.1
Payette				
Cascade	653.2	392.5	399.6	343.9
Deadwood	161.9	107.2	99.8	74.5
Weiser				
Mann Creek	11.1	3.86	3.8	--
Clearwater				
Dworshak	2016.0	1410.8	1037.5	--
GREAT BASIN				
Bear				
Bear Lake	1421.0	1077.2	1109.9	970.6
Montpelier Creek	4.05	2.60	2.22	--

RESERVOIR STORAGE

USABLE CONTENTS (1,000 Acre Feet)

FEBRUARY 1, 1985

50 0 50 100 150
SCALE IN MILES



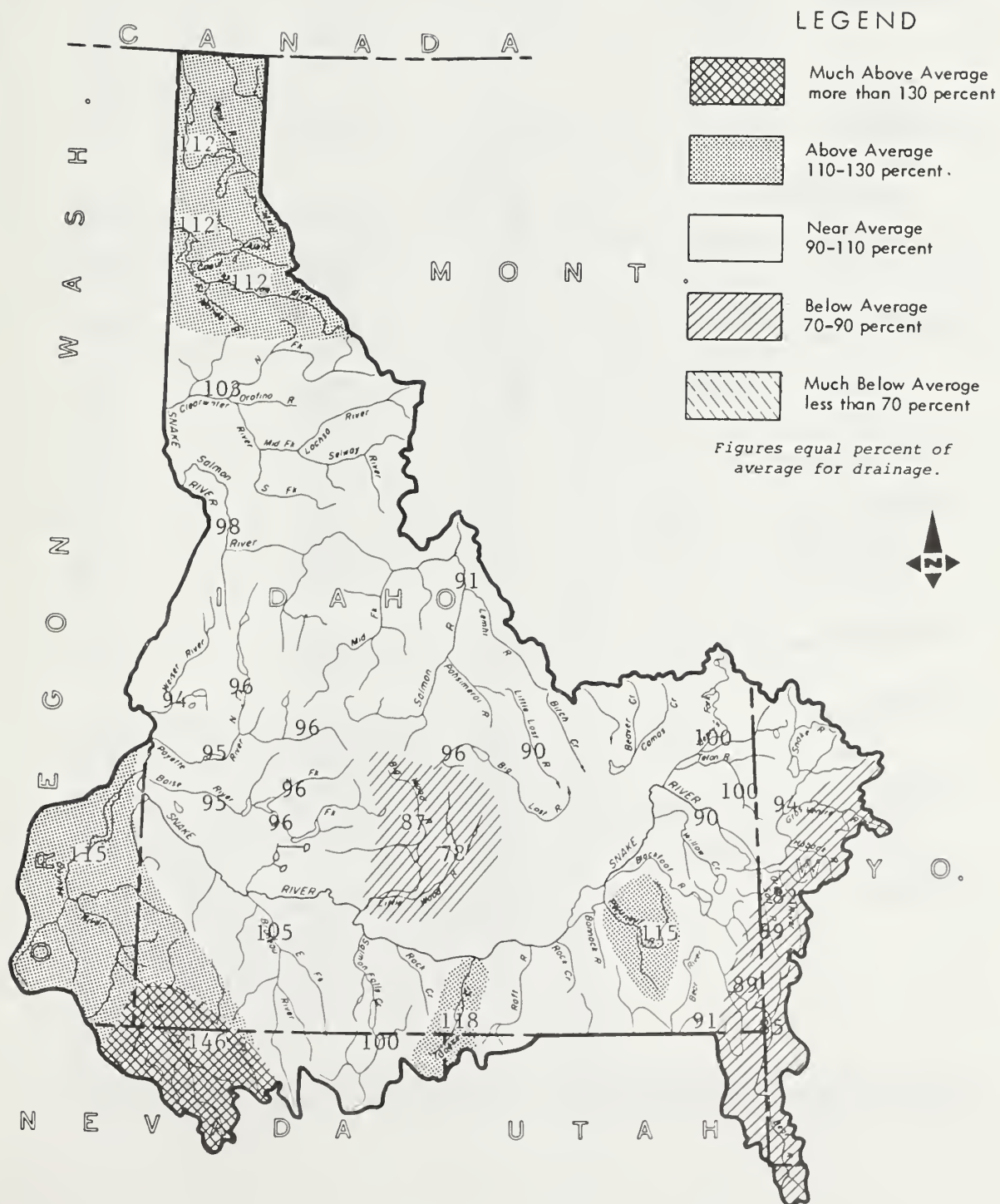
STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR			PAST RECORD	
		FORECAST ^c		FORECAST PERIOD	THOUSAND ACRE FEET	
		Thousand Acre Feet	Percent of Average		Last Year	Average ⁺
UPPER COLUMBIA BASIN						
KOOTENAI RIVER						
Leonia	(at)	7960	93	Apr-Sep	--	8602
		6973	93	Apr-Jul	--	7498
		5627	93	Apr-Jun	--	6051
PEND OREILLE RIVER						
Clark Fork River						
Whitehorse Rapids	(at)	12900	95	Apr-Sep	--	13575
		11700	95	Apr-Jul	--	12351
		10040	95	Apr-Jun	--	10570
Pend Oreille Lake Inflow						
		14900	98	Apr-Sep	--	15150
Priest River						
Priest River 1/	(at)	1010	112	Apr-Sep	--	885
		948	112	Apr-Jul	--	832
SPOKANE RIVER						
Post Falls 2/	(at)	3190	112	Apr-Sep	--	2860
		3075	112	Apr-Jul	--	2759
St. Joe River						
Calder	(at)	1445	111	Apr-Sep	--	1294
		1368	112	Apr-Jul	--	1125
SNAKE RIVER BASIN						
SNAKE RIVER - MAIN STEM						
Moran 3/	(at)	830	94	Apr-Sep	--	880
Palisades Inflow 3/		2427	89	Apr-Sep	--	3793
Heise 4/	(nr)	3660	90	Apr-Sep	--	4066
		3118	90	Apr-Jul	--	3465
Blackfoot 5/	(nr)	5050	93	Apr-Sep	--	5430
		4120	93	Apr-Jul	--	4429
Henry's Fork						
Ashton 6/	(nr)	714	100	Apr-Sep	--	714
		529	100	Apr-Jul	--	529
Rexburg 7/	(nr)	1475	100	Apr-Sep	--	1475
		1150	100	Apr-Jul	--	1153
Falls River						
Squirrel	(nr)	362	99	Apr-Jul	--	366
Teton						
South Leigh Creek	(ab)	194	100	Apr-Sep	--	194
		145	100	Apr-Jul	--	145
St. Anthony	(nr)	464	100	Apr-Sep	--	465
		374	100	Apr-Jul	--	375
Portneuf River						
Topaz	(at)	103	115	Mar-Sep	--	89.2
		94.5	115	Mar-Jul	--	82.2
Oakley Reservoir Inflow						
		35.6	118	Apr-Sept	--	30.2
		32.1	118	Mar-Jul	--	27.2
Salmon Falls Creek						
San Jacinto	(nr)	94	100	Mar-Sep	--	94.0
		89.3	100	Mar-Jul	--	89.3
		84.4	100	Mar-Jun	--	84.4
Bruneau River						
Hot Springs	(nr)	255	105	Mar-Sep	--	243
		244	105	Mar-Jul	--	232

(c) Assuming normal meteorological conditions.

+1961-1980 period

A horizontal scale bar with alternating black and white segments. Numerical markings are placed above the bar at intervals of 20, starting from 20 on the left and ending at 120 on the right. The text "SCALE IN MILES" is centered below the bar.



STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR			PAST RECORD	
		FORECAST ^c		FORECAST PERIOD	THOUSAND ACRE FEET	
		Thousand Acre Feet	Percent of Average		Last Year	Average [†]
<u>Little Lost River</u>						
Howe	(nr)	37.9	90	Apr-Sep	--	42.2
		29.3	90	Apr-Jul	--	32.6
Wet Creek	(bl)	34.9	90	Apr-Sep	--	38.8
		28.3	90	Apr-Jul	--	31.4
		23.8	90	Apr-Jun	--	25.0
<u>Big Lost River</u>						
Howell Ranch	(at)	202	96	Apr-Sep	--	211
		178	96	Apr-Jul	--	186
		138	96	Apr-Jun	--	144
Mackay 8/	(nr)	176	96	Apr-Sep	--	184
<u>Big Wood River</u>						
Bellevue	(nr)	168	87	Apr-Sep	--	193
		155	87	Apr-Jul	--	180
Magic Reservoir Inflow 9/		257	80	Apr-Sep	--	295
		244	87	Apr-Jul	--	280
<u>Little Wood River</u>						
Carey 10/	(nr)	78.7	78	Apr-Sep	--	101.0
		72.6	78	Apr-Jul	--	93.1
		64.4	78	Apr-Jun	--	82.6
<u>Boise River</u>						
Twin Springs	(nr)	680	96	Apr-Sep	--	705
		627	96	Apr-Jul	--	650
Boise 11/	(nr)	1492	95	Apr-Sep	--	1571
		1381	95	Apr-Jul	--	1454
		1215	95	Apr-Jun	--	1279
<u>South Fork</u>						
Anderson Dam 12/	(at)	566	96	Apr-Sep	--	590
		529	96	Apr-Jul	--	551
<u>Owyhee River</u>						
Gold Cr., Nv 13/	(nr)	32	145	Apr-Jul	--	22.0
Owyhee, Nv 13/	(nr)	125	146	Apr-Jul	--	85.4
Lake Owyhee		432	115	Apr-Sep	--	376
net inflow 14/		401	115	Apr-Jul	--	349
Rome	(at)	450	120	Apr-Jul	--	376
<u>Payette River</u>						
Horseshoe Bend 15/	(nr)	1715	95	Apr-Sep	--	1805
		1585	95	Apr-Jul	--	1668
<u>North Fork</u>						
Cascade 16/	(at)	530	90	Apr-Sep	--	553
		497	96	Apr-Jul	--	518
Banks 16/	(nr)	684	96	Apr-Sep	--	712
		644	96	Apr-Jul	--	671
<u>South Fork</u>						
Lowman	(at)	477	96	Apr-Sep	--	497
		424	96	Apr-Jul	--	441
Deadwood Reservoir Inflow		135	96	Apr-Jul	--	141
<u>Weiser River</u>						
Weiser	(nr)	401	94	Apr-Sep	--	427
		377	94	Apr-Jul	--	399

(c) Assuming normal meteorological conditions.

+1961-1980 period

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT		THIS YEAR			PAST RECORD	
		FORECAST ^c		FORECAST PERIOD	THOUSAND ACRE FEET	
		Thousand Acre Feet	Percent of Average		Last Year	Average [†]
<u>Salmon River</u>						
Whitebird	(at)	6760	98	Apr-Sep	--	6876
		6110	98	Apr-Jul	--	6211
Salmon	(nr)	961	91	Apr-Sep	--	1053
		820	91	Apr-Jul	--	899
<u>Clearwater River</u>						
Orofino	(at)	5340	103	Apr-Sep	--	5185
		5064	103	Apr-Jul	--	4917
Spalding	(at)	9190	109	Apr-Sep	--	8460
		8710	109	Apr-Jul	--	8000
<u>North Fork Clearwater</u>						
Dworshak Reservoir Inflow		3270	110	Apr-Sep	--	2985
		3050	109	Apr-Jul	--	2805

GREAT BASIN

<u>BEAR RIVER</u>						
Harer	(at)	264	85	Apr-Sep	--	310
<u>Montpelier Creek</u>						
Montpelier	(nr)	12.4	89	Apr-Sep	--	13.9
<u>Cub River</u>						
Preston	(nr)	47.1	91	Apr-Sep	--	51.8
		42.6	91	Apr-Jul	--	46.8

- 1/ Observed flow corrected for storage in Priest Lake.
- 2/ Observed flow corrected for storage in Coeur d'Alene Lake.
- 3/ Corrected for storage in Jackson Lake.
- 4/ Corrected for storage in Jackson Lake and Palisades.
- 5/ Corrected for storage in Jackson Lake, Palisades, Island Park, Henrys Lake, Grassy Lake and diversions between Heise and Blackfoot.
- 6/ Corrected for storage in Henrys Lake and Island Park Reservoir.
- 7/ Corrected for storage in Henrys Lake and Island Park, Grassy Lake and diversions between Ashton and Rexburg.
- 8/ Observed flow corrected for storage in Mackay Reservoir.
- 9/ Combined flow Big Wood River nr. Bellevue and Camas Creek nr. Blaine.
- 10/ Corrected for storage in Little Wood Reservoir.
- 11/ Corrected for storage in Arrowrock, Anderson Ranch and Lucky Peak.
- 12/ Corrected for storage in Anderson Ranch Reservoir.
- 13/ Corrected for storage in Wildhorse Reservoir.
- 14/ From Bureau of Reclamation records of inflow.
- 15/ Corrected for storage in Cascade and Deadwood Reservoirs.
- 16/ Corrected for storage in Cascade Reservoir.

(c) Assuming normal meteorological conditions.

+1961-1980 period

SNOW

SNOW COURSE NAME	Elevation	THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (inches)	Water Content (inches)	Water Content (inches)	
					Last Year	5 Average
ABOVE BURKE	4100	1/30/85	60	18.4	9.0	14.8
ABOVE ROLAND	4350	1/30/85	---	25.2E	--	21.6
AFTON RANGER STATION	6240	1/30/85	23	4.2	4.5	3.4
ALLEN RANCH	6470	1/30/85	35	7.4	9.8	--
ANTELOPE RIDGE	6180	2/01/85	---	5.6E	--	4.9
ARIZONA	6820	1/30/85	41	11.3	11.8	13.3
ASPEN GROVE	6500	1/30/85	---	8.0E	--	8.5
ASTER CREEK	7750	1/30/85	59	20.6	15.5	20.9
ATLANTA SUMMIT	7600	1/30/85	60	21.1	23.6	24.3
ATLANTA TOWNSITE	5370	1/30/85	32	8.1	11.4	--
AUSTIN BROTHERS RNCH	6400	1/30/85	29	6.2	8.5	6.6
BAD BEAR	4940	2/01/85	34	10.2	12.4	10.7
BADGER GULCH	6660	2/01/85	---	5.6E	--	8.6
BANNER SUMMIT	7040	2/01/85	---	20.1E	18.9	--
BASE CAMP	7030	1/31/85	40	10.4	11.0	14.7
BATTLE CREEK	5720	1/30/85	16	4.6	--	2.8
BEAR BASIN	5350	2/01/85	---	12.0E	11.6	--
BEAR CANYON	7900	2/01/85	---	9.9E	10.1	11.7
BEAR CREEK	7800	2/01/85	---	12.8E	22.4	13.2
BEAR SADDLE	6180	2/01/85	---	17.4E	--	--
BEAVERDAM CREEK	6120	2/01/85	25	5.8	8.6	--
BENNETT MOUNTAIN	6560	2/01/85	---	12.1E	--	12.6
BENTON MEADOW	2370	1/25/85	21	6.1	4.8	5.3
BENTON SPRING	4920	1/25/85	47	16.6	9.5	13.5
BIG BEND	6700	2/01/85	19	6.3E	10.2	6.0
BIG CREEK SUMMIT	6580	2/01/85	---	25.7E	21.6	25.7
BIG SPRINGS	6400	2/01/85	42	11.6	11.1	14.5
BIRCH CREEK	6800	1/30/85	33	7.4	9.1	7.6
BLACK MOOSE	8160	2/01/85	---	25.1E	--	28.1
BLACKROCK	8900	1/31/85	43	11.2	15.0	14.9
BLIND BULL SUMM AIR	8650	1/29/85	48	13.6	16.0	19.2
BLUE LEDGE MINE	6900	2/01/85	---	8.0E	--	12.7
BLUE RIDGE	6780	1/30/85	51	14.3	16.3	11.6
BOGUS BASIN	6340	1/27/85	49	16.8	20.3	16.6
BOGUS BASIN ROAD	5540	1/27/85	17	5.3	10.4	5.6
BONE	6200	1/30/85	26	5.6	5.6	5.7
BOULDER CREEK	5440	1/30/85	45	14.0	14.4	17.0
BOYER MOUNTAIN	5250	1/28/85	54	18.4	--	18.9
BREEZY SADDLE	5010	1/31/85	80	24.2	12.5	--
BROCKMAN STATION	6430	1/30/85	32	6.6	9.0	6.6
BRUNDAGE MOUNTAIN	7560	2/01/85	---	32.7E	25.0	31.5
BRUNO CREEK	7920	2/01/85	42	12.0	11.5	--
BRYAN FLAT	6420	1/30/85	29	6.2	6.3	6.7
BULL BASIN	5460	1/30/85	6	1.2	--	1.4
CAMP CREEK	6580	1/29/85	26	6.0	4.8	7.5
CAYUSE AIRSTRIP	3500	1/31/85	35	8.1	6.5	9.1
CCC CAMP	7000	1/29/85	33	7.4	9.6	8.8
CHIMNEY CREEK	6400	1/26/85	31	10.1	14.3	--
COLUMBIA BASIN AM	6650	1/30/85	35	9.1	18.4	6.5
COOL CREEK	6250	1/31/85	112	37.1	--	--
COPPER BASIN	7640	2/01/85	---	4.9E	5.7	6.6
COPPER RIDGE	4820	2/01/85	---	21.6E	--	16.5
COTTONWOOD LK AIR	7600	1/29/85	40	10.6	12.3	12.4
COUCH SUMMIT	6840	1/26/85	40	11.6	14.3	13.1
COZY COVE	5380	1/30/85	34	10.5	11.6	12.3
CRATER MEADOWS	5960	1/31/85	91	29.2	22.7	30.1
CRAWFORD R.S.	4860	2/01/85	---	5.6E	5.7	6.4
CROOKED FORK	3610	1/31/85	34	9.4	8.0	10.3
CUB RIVER R.S.	5450	1/26/85	22	5.5	11.7	6.5
DARBY CANYON	8250	1/30/85	54	16.8	17.3	15.3
DEADLINE	7400	2/01/85	---	9.5E	26.3	15.6
DEADLINE SOUTH	7450	2/01/85	---	11.3E	28.0	20.8
DEADMAN GULCH	5600	1/30/85	50	13.8	15.0	12.4
DEADWOOD AIRSTRIP	5360	2/01/85	---	10.3E	12.3	11.2
DEADWOOD SUMMIT	6860	1/30/85	79	30.3	24.1	32.6
DEMPSEY CREEK	6100	2/01/85	---	8.0E	--	8.4
DOLLARHIDE SUMMIT	8420	1/30/85	42	13.5	17.6	17.0
EAST CREEK	7000	2/01/85	30	7.2	12.4	--
EAST RAGGED SADDLE	3740	1/29/85	58	20.2	--	--
EAST RIM DIVIDE	7930	1/31/85	28	5.7	7.2	9.5
ELBO RANCH	7100	1/28/85	28	7.2	--	.0
ELK BUTTE	5550	1/31/85	88	27.4	18.7	26.7
EMIGRANT SUMMIT	7390	1/31/85	53	14.2	24.0	17.0
EMIGRATION CANYON	6500	1/31/85	32	6.7	--	7.7

(b) 1961-1980, 20 year period.

(e) Snow course data estimated from automated Snotel readings.

SNOW

SNOW COURSE NAME		THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
					Last Year	Average
	Elevation					
FALL CREEK	6820	1/30/85	30	6.4	--	--
FAWN CREEK AM	7050	1/30/85	43	11.2	19.7	7.8
FISH LAKE AIRSTRIP	5650	2/04/85	80	25.1	17.9	27.2
FORTY-NINE MEADOWS	4830	1/31/85	76	23.0	13.2	19.9
FOUR MILE MEADOWS	7860	1/31/85	29	6.2	8.1	9.4
FOURTH OF JULY SUM.	3200	1/31/85	41	12.5	6.9	7.1
FOX CREEK	6800	2/01/85	21	7.2E	12.3	--
FRANKLIN BASIN	8040	1/26/85	51	17.3	22.9	16.6
FREDS MOUNTAIN	8000	1/31/85	---	17.3E	18.5	16.7
FRY CANYON	6700	2/01/85	17	5.6E	12.0	5.0
GALENA	7440	1/31/85	38	10.8	11.3	13.8
GALENA SUMMIT	8780	1/31/85	46	13.2	16.5	16.5
GARFIELD R.S.	6560	2/01/85	26	5.4	6.3	7.7
GIBBONS PASS	7100	1/30/85	47	14.2	13.4	16.2
GIVEOUT	6860	1/31/85	36	8.9	10.6	8.5
GLADE CREEK	7040	1/30/85	53	16.6	15.4	15.9
GOAT CREEK	8800	2/01/85	---	12.6E	20.6	11.4
GOLD CREEK	6600	2/01/85	12	4.0E	5.1	3.8
GRAHAM RANCH	6270	1/31/85	35	8.2	10.1	9.9
GRASSY LAKE	7270	1/30/85	73	24.5	22.0	24.2
GREYS BOUNDARY	5720	1/30/85	32	7.0	10.2	8.1
GROS VENTRE SUMMIT	8750	1/28/85	31	6.4	8.0	8.5
GROVER PARK DIVIDE	7000	1/30/85	33	7.4	10.4	8.6
HEART LAKE TRAIL	4800	2/01/85	59	19.4	10.6	15.7
HEMLOCK BUTTE	5810	2/04/85	106	36.7	23.8	33.8
HILTS CREEK	8000	1/30/85	26	5.7	6.6	--
HOODOO BASIN	6050	2/01/85	102	42.0	26.2	34.8
HOODOO CREEK	5900	2/01/85	97	37.3	24.6	32.4
HOWELL CANYON	7980	2/01/85	---	14.8E	27.7	17.9
HUCKLEBERRY DIVIDE	7300	1/30/85	43	11.8	13.0	15.0
HUMBOLDT GULCH	4250	1/30/85	49	14.0	6.6	--
HUMMINGBIRD SPRINGS	8950	2/01/85	---	16.0E	26.0	15.0
HYDE PASTURE	5760	1/30/85	21	6.3	--	4.2
HYNDMAN CREEK	7440	2/01/85	---	8.9E	7.7	--
IDAHO CITY TOWNSITE	4000	2/01/85	18	4.2	8.0	--
INDIAN MEADOWS	8420	1/30/85	76	26.4	28.3	24.5
ISLAND PARK	6290	2/01/85	39	10.5	9.7	11.7
JACKPINE CREEK	7350	1/30/85	52	15.7	14.7	15.2
JACKS PEAK	8420	2/01/85	48	16.1E	27.2	12.1
JACKSON PEAK	7070	1/30/85	58	20.0	18.5	22.9
JAKES CREEK AM	7000	1/30/85	15	2.9	9.6	3.7
JOHNSTON POND	6700	1/31/85	12	3.2	--	--
KELLOGG PEAK	5560	2/01/85	---	26.5E	--	23.6
KILGORE	6320	1/29/85	27	5.4	8.5	8.2
LAKE FORK	5290	1/26/85	36	10.5	11.2	12.2
LAKEVIEW CANYON	6930	1/28/85	26	6.4	6.2	8.5
LAKEVIEW RIDGE	7400	1/28/85	24	6.2	5.5	7.6
LANGFORD FLAT CREEK	5980	2/04/85	23	4.4	11.0	--
LAUREL DRAW	6700	2/01/85	---	7.0E	11.2	6.2
LAVA CREEK	7350	1/30/85	42	9.2	13.8	9.9
LES BOIS	4900	2/02/85	43	10.8	--	--
LEWIS LAKE DIVIDE	7850	1/30/85	73	26.3	23.8	28.4
LIBERTY SPRING	8600	2/01/85	---	21.9E	--	23.6
LITTLE BEAVER	6790	2/01/85	43	11.4	13.2	10.5
LOLO PASS	5240	2/01/85	62	20.8	14.1	21.5
LOOKOUT	5140	1/30/85	82	28.0	15.0	24.6
LOOKOUT BUTTE AM	5650	1/30/85	0	.0	--	.2
LOST LAKE	6110	1/31/85	130	46.1	26.8	38.0
LOST-WOOD DIVIDE	7900	2/01/85	---	12.6E	12.3	16.1
LOUSE CANYON AM	6440	1/30/85	21	7.1	--	2.6
LOWER HOME CANYON	7640	2/01/85	32	7.7	12.2	10.4
JACK CREEK, LOWER	6800	2/01/85	9	2.9E	4.7	2.0
LOWER PEBBLE	5780	2/01/85	36	9.0	11.0	9.2
LOWER SANDS CREEK	3120	2/01/85	---	16.1E	--	14.3
MAGIC MOUNTAIN	6880	2/01/85	---	7.8E	24.6	12.8
MASCOT MINE	7780	2/01/85	---	8.7E	7.7	9.1
MC RENOLDS RESERVOIR	6720	1/30/85	51	12.5	12.7	13.2
MEADOW LAKE	9150	2/01/85	---	9.3E	--	13.7
MERRIT MOUNTAIN AM	7000	1/30/85	18	4.7	12.2	5.0
MILL CREEK SUMMIT	8800	2/01/85	---	13.5E	12.7	16.3
MINK CREEK	6410	1/31/85	45	10.6	18.2	12.0
MONTPELIER CREEK	6540	2/01/85	---	5.8E	6.2	5.8
MOONSHINE	7440	1/30/85	23	5.2	6.6	7.5
MOORES CREEK SUMMIT	6100	2/01/85	61	20.4	24.0	22.6

(b) 1961-1980, 20 year period.

(e) Snow course data estimated from automated Snotel readings.

SNOW

SNOW COURSE NAME	Elevation	THIS YEAR			PAST RECORD	
		Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (inches)	
					Last Year	Average
MOOSE CREEK	6200	1/31/85	36	10.2	11.2	12.2
MORAN	6750	1/31/85	29	6.7	8.9	5.4
MORGAN CREEK	7600	2/01/85	---	8.8E	8.9	9.9
MOSQUITO RIDGE	5200	1/31/85	82	28.8	18.2	25.8
MOUNT BALDY	8920	1/30/85	41	11.4	14.1	14.4
MUD CREEK	7100	1/30/85	58	15.8	16.8	11.2
MUD FLAT	5730	2/01/85	---	5.8E	--	5.2
MULDOON	6320	2/01/85	19	3.3	3.6	5.8
NORTH PUTNAM	7240	2/01/85	50	16.1	20.0	--
PACKSADDLE SPRING	8200	1/30/85	58	19.8	20.0	--
PEBBLE CREEK	6550	2/01/85	38	10.4	13.0	11.6
PHILLIPS BENCH	8200	1/30/85	51	16.8	17.7	19.6
PIERCE R. S.	3080	1/31/85	33	9.2	7.4	8.5
PINE CREEK PASS	6810	1/30/85	41	10.6	12.3	11.7
POISON MEADOWS	8500	1/28/85	51	14.5	19.2	20.9
POLE CREEK R.S.	8330	2/01/85	---	12.3E	21.9	13.5
PRAIRIE	4800	1/31/85	21	4.8	6.7	4.9
RED CANYON	6650	1/30/85	20	6.0	--	5.7
ROAD CREEK	5380	2/01/85	---	6.6E	10.2	7.7
ROCK FLAT SUMMIT	5310	1/30/85	40	11.2	11.0	12.8
RODEO FLAT	6800	2/01/85	14	4.6E	13.0	4.1
ROLAND SUMMIT	5120	2/01/85	---	31.3E	--	27.7
SADDLE MOUNTAIN	7940	1/30/85	49	15.0	14.4	17.9
SALT RIVER SUMMIT	7700	1/29/85	38	10.0	11.4	11.3
SAVAGE PASS	6170	1/31/85	61	19.6	13.8	18.9
SAWMILL CANYON	7000	1/30/85	20	3.9	5.2	6.0
SAWTELL MOUNTAIN	8720	2/01/85	61	21.2	22.0	23.0
SCHWEITZER BASIN	6090	2/01/85	---	35.4E	25.7	--
SCHWEITZER BOWL	4800	2/01/85	---	22.7E	15.8	21.6
SCHWEITZER RIDGE	6200	2/01/85	---	30.7E	23.1	32.9
SECESH SUMMIT	6520	2/01/85	---	25.4E	19.2	25.4
SEDEGWICK PEAK	7850	2/01/85	36	9.1	16.0	--
SEVENTYSIX CREEK	7100	2/01/85	27	8.6E	18.3	6.3
SHANGHAI SUMMIT	4570	2/04/85	73	23.1	12.7	17.3
SHEEP MOUNTAIN	6570	1/30/85	33	8.0	8.8	9.3
SHERWIN	3200	2/01/85	---	12.6E	8.3	10.5
SHOSHONE BASIN	5810	2/04/85	24	4.1	9.5	4.6
SLUG CREEK DIVIDE	7230	1/31/85	36	8.8	13.4	11.6
SNAKE RIVER STATION	6920	1/30/85	45	12.9	13.0	14.6
SNOW KING MTN	7660	1/29/85	35	8.8	9.2	10.7
SOLDIER R.S.	5740	1/26/85	29	8.6	11.9	9.3
SOMSEN RANCH	6840	1/30/85	41	8.6	12.3	10.2
SQUAW FLAT	6240	2/01/85	---	19.7E	13.0	18.8
SQUAW MEADOW	5900	2/01/85	---	26.0E	18.0	24.6
STATE LINE	6660	1/30/85	37	10.4	10.7	10.0
STRAWBERRY CREEK	5820	1/31/85	33	7.3	--	7.6
STRAWBERRY-MINK DIV.	6720	2/01/85	---	13.4E	--	15.0
SUCCOR CREEK	6100	1/30/85	27	8.6	--	3.6
SUNSET	5540	2/01/85	64	21.7	13.2	23.0
SWED E PEAK	7640	2/01/85	36	9.7	11.3	11.9
TARGHEE PASS	6980	2/01/85	---	9.0E	7.8	10.5
TAYLOR CANYON	6200	1/30/85	21	3.8	12.1	3.7
TETON PASS W.S.	7740	1/30/85	52	17.6	19.1	17.7
TEX CREEK	6650	2/01/85	---	6.8E	--	6.4
TOE JAM AM	7700	1/30/85	29	7.3	16.3	6.4
THUMB DIVIDE	7980	1/30/85	45	14.3	9.6	14.6
TOGWOTEE PASS	9580	1/31/85	51	14.9	18.8	20.2
TOUCHET #2	5530	1/30/85	84	32.9	15.0	19.1
TRINITY MOUNTAIN	7770	1/30/85	66	24.7	26.3	29.7
TRIPOD SUMMIT	5260	1/27/85	44	13.8	--	13.6
TURPIN MEADOWS	6900	1/31/85	22	4.4	6.8	8.0
TWIN SPIRIT DIVIDE	3480	1/29/85	45	14.7	--	--
TWITCHELL CANYON	6300	2/01/85	42	12.3	13.3	--
UPPER HOME CANYON	8560	2/01/85	48	13.9	20.3	16.3
JACK CREEK, UPPER	7250	2/01/85	20	5.2E	11.2	4.7
VALLEY VIEW	6680	2/01/85	38	10.0	8.6	11.7
VAUGHT RANCH	5830	1/30/85	15	4.5	--	2.7
VIENNA MINE	8960	1/30/85	58	20.5	21.8	25.5
WEBB CREEK	4720	1/29/85	29	6.9	--	--
WEST BRANCH	5560	1/30/85	48	14.2	14.8	--
WET CREEK SUMMIT	7680	1/30/85	24	5.4	6.8	7.8
WHISKEY FLAT	6960	2/01/85	---	6.8E	7.3	6.7
WHITE ELEPHANT	7710	2/01/85	48	15.6	14.4	16.0
WILDHORSE DIVIDE	6490	1/31/85	40	10.0	17.2	--
WILLOW FLAT	6100	1/26/85	34	10.3	19.8	11.1
YOUNGS RANCH AERIAL	6650	1/29/85	34	7.5	9.6	12.6

(b) 1961-1980, 20 year period.

(e) Snow course data estimated from automated Snotel readings.

SNOTEL PILLOW DATA			This Year		Past Record	
Data Site Name	Drainage	Elevation	Date	Water Content (inches)	Last Year	61-80 1/ Average
Atlanta Summit	Boise	7580	2/1	19.0	21.1	21.7
Banner Summit	Payette	7040	2/1	17.9	16.7	--
Base Camp	Upper Snake	7030	2/1	10.7	10.3	--
Bear Basin	Little Salmon	5350	2/1	NA	11.1	13.6
Bear Canyon	Big Lost	7900	2/1	8.7	8.8	10.7
Bear Creek	Jarbridge	7800	1/31	11.4	22.7	--
Bear Mountain	Clark Fork	5400	2/1	46.4	23.2	--
Bear Saddle	Mann Creek	6180	2/1	16.5	17.2	--
Bennett Mountain	Canyon Creek	6560	2/1	11.8	22.0	13.3
Big Creek Summit	Salmon	6580	2/1	22.2	18.3	22.3
Big Sandy Opening	Green	9080	1/31	7.1	NA	--
Blind Bull Summit	Green	8650	2/1	13.5	16.8	--
Bostetter Ranger Station	Trapper	7500	1/31	12.2	NA	--
Bunchgrass Meadow	Pend Oreille	5000	2/1	19.7	16.2	--
Cool Creek	Clearwater	6250	1/31	35.7	--	--
Cottonwood Lake	Salt	7600	2/1	11.1	15.5	--
Coulter Creek	Upper Snake	7020	2/1	13.8	NA	--
Cozy Cove	Deadwood	5380	2/1	11.0	14.9	15.1
Crab Creek	Camas-Beaver	6860	2/1	7.3	10.7	--
Crater Meadows	Clearwater	5960	2/1	32.9	--	--
Deadwood Summit	Deadwood	6860	1/30	24.0	25.6	34.9
Dollarhide Summit	Big Wood	8420	1/31	14.9	19.4	17.3
Elk Butte	Clearwater	5550	2/1	31.7	23.9	34.4
Elkhart Park Guard Station	Green	9400	2/1	6.1	9.3	--
Emigrant Summit	Bear	7390	2/1	NA	28.0	19.4
Franklin Basin	Cub	8170	2/1	NA	26.0	--
Galena	Big Wood	7470	2/1	11.7	12.0	13.7
Galena Summit	Big Wood	8780	2/1	NA	NA	13.3
Garfield Ranger Station	Little Wood	6560	1/28	5.7	6.4	7.6
Giveout	Montpelier	6930	2/1	9.0	9.6	8.8
Goat Creek	Salmon Falls	8880	2/1	13.3	21.3	--
Graham Guard Station	Boise	5690	2/1	12.4e	12.4	12.3
Grassy Lake	Upper Snake	7265	1/31	24.6	21.8	--
Gros Ventre Summit	Upper Snake	8750	1/26	11.3	NA	--
Hemlock Butte	Clearwater	5810	2/1	37.6	25.6	37.4
Hilts Creek	Little Lost	8000	1/29	8.8	10.4	--
Howell Canyon	Marsh Creek	7980	2/1	12.1e	24.3	15.0
Humboldt Gulch	Coeur d'Alene	4250	2/1	13.1	4.5	10.2
Hyndman	Big Wood	7440	1/31	7.4	6.3	8.0
Indian Creek	Green	7960	1/31	14.0	21.1	--
Island Park	Henrys Fork	6290	2/1	9.6	8.8	11.5
Jackson Peak	Boise	7070	2/1	18.1	17.8	21.4
Kelly Ranger Station	Green	8180	1/31	8.7	12.9	--
Lewis Lake Divide	Upper Snake	7850	2/1	20.8	19.9	--
Lolo Pass	Lochsa	5240	2/1	21.7	15.1	22.9
Lookout	Coeur d'Alene	5140	2/1	26.4	NA	23.9
Loomis Park	Green	8240	2/1	9.2	9.2	--
Lost Lake	Clearwater	6110	2/1	51.3	34.4	48.9
Lost-Wood Divide	Big Lost	7900	2/1	7.9	11.9	16.1
Magic Mountain	Rock Creek	6880	2/1	7.5	23.4	12.8
Meadow Lake	Lemhi	9150	1/30	8.3	NA	--
Mill Creek Summit	Salmon	8800	2/1	12.9	12.0	15.2
Moonshine	Little Lost	7440	2/1	5.4	6.1	7.7
Moore's Creek Summit	Boie	6100	2/1	21.8	23.7	22.9
Moose Creek	N. Fork Salmon	6200	1/30	10.0	11.5	12.3
Morgan Creek	Salmon	7600	2/1	8.3	8.2	9.5
Mosquito Ridge	Coeur d'Alene	5200	2/1	NA	17.5	25.9
Mountain Meadows	Selway	6360	2/1	13.5	15.5	20.9
Mud Flat	Owyhee	5730	1/31	4.0	NA	4.7
Oxford Spring	Malad	6740	2/1	5.1	NA	8.5
Phillips Bench	Salmon Falls	8200	2/1	16.1	15.2	--
Pole Creek Ranger Station	Salmon Falls	8330	2/1	11.3	20.4	--
Prairie	Boise	4800	2/1	2.7	5.4	4.0
Salt River Summit	Salt	7700	2/1	6.8	10.3	--
Savage Pass	Lochsa	6170	2/1	19.3	13.9	19.7
Schweitzer Basin	Pend Oreille	6090	1/30	37.4	26.5	37.8
Secesh Summit	Payette	6520	1.31	25.7	19.0	25.7
Shanghai Summit	Clearwater	4570	2/1	25.5	NA	21.1
Sheep Mountain	Willow	6570	2/1	8.8	10.6	9.2
Sherwin	St. Maries	3200	1/31	10.5	8.0	9.9
Slug Creek Divide	Blackfoot	7225	2/1	9.6	14.1	13.1
Snider Basin	Green	8060	2/1	7.0	9.3	--
Somsen Ranch	Willow Creek	6800	2/1	7.0	11.5	9.4

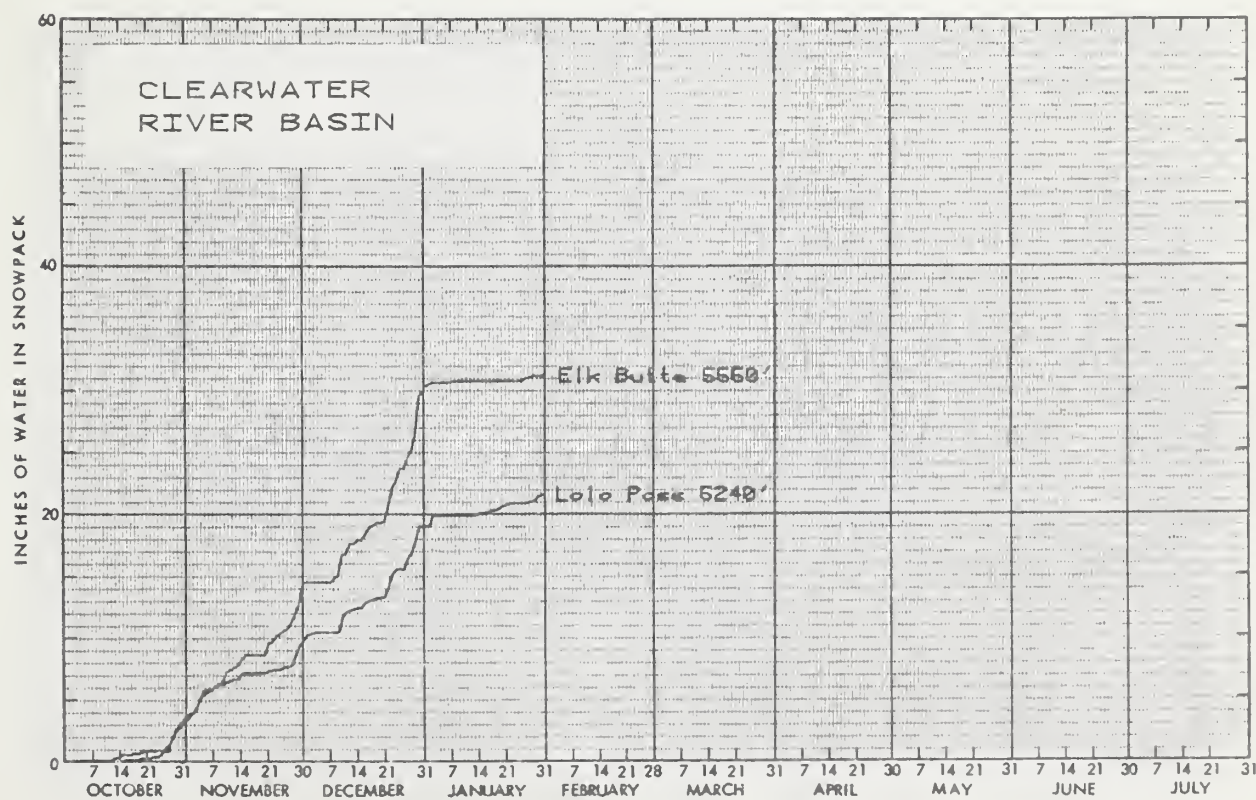
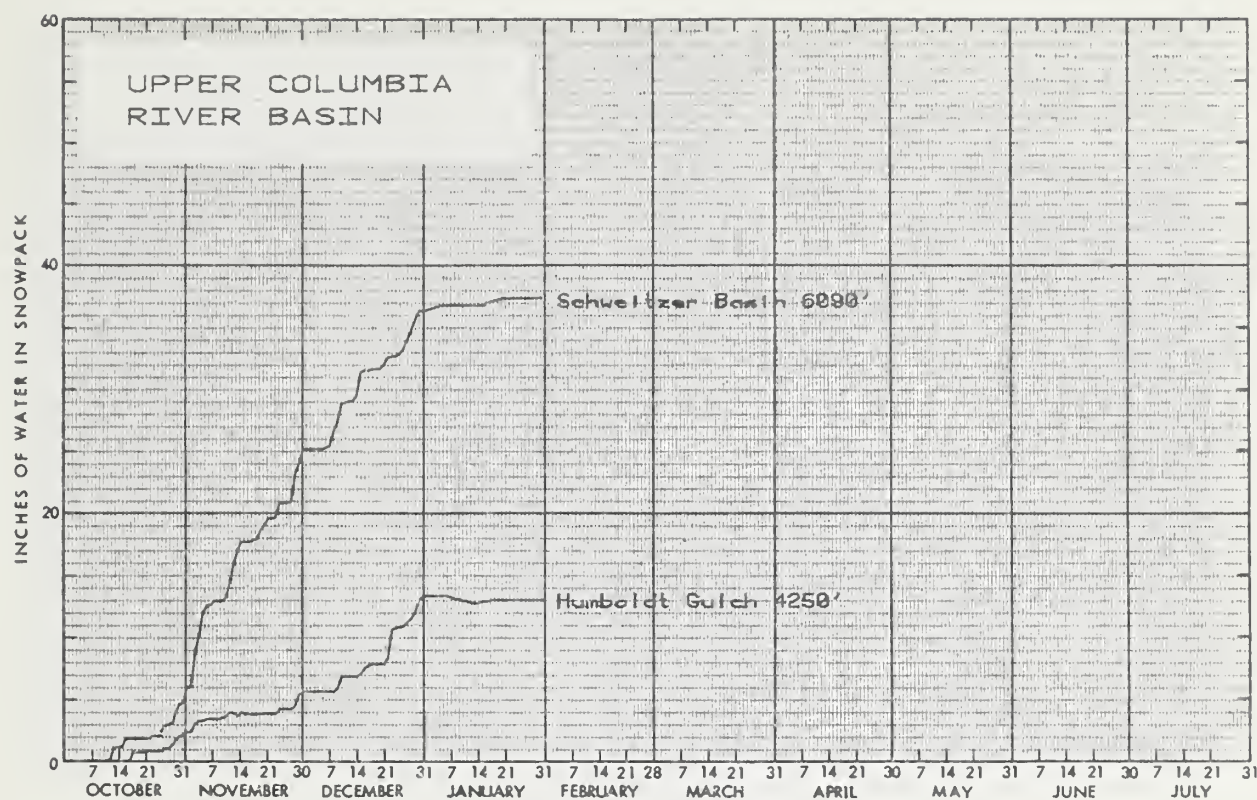
1/ Estimated 1961-1980 20 year average.

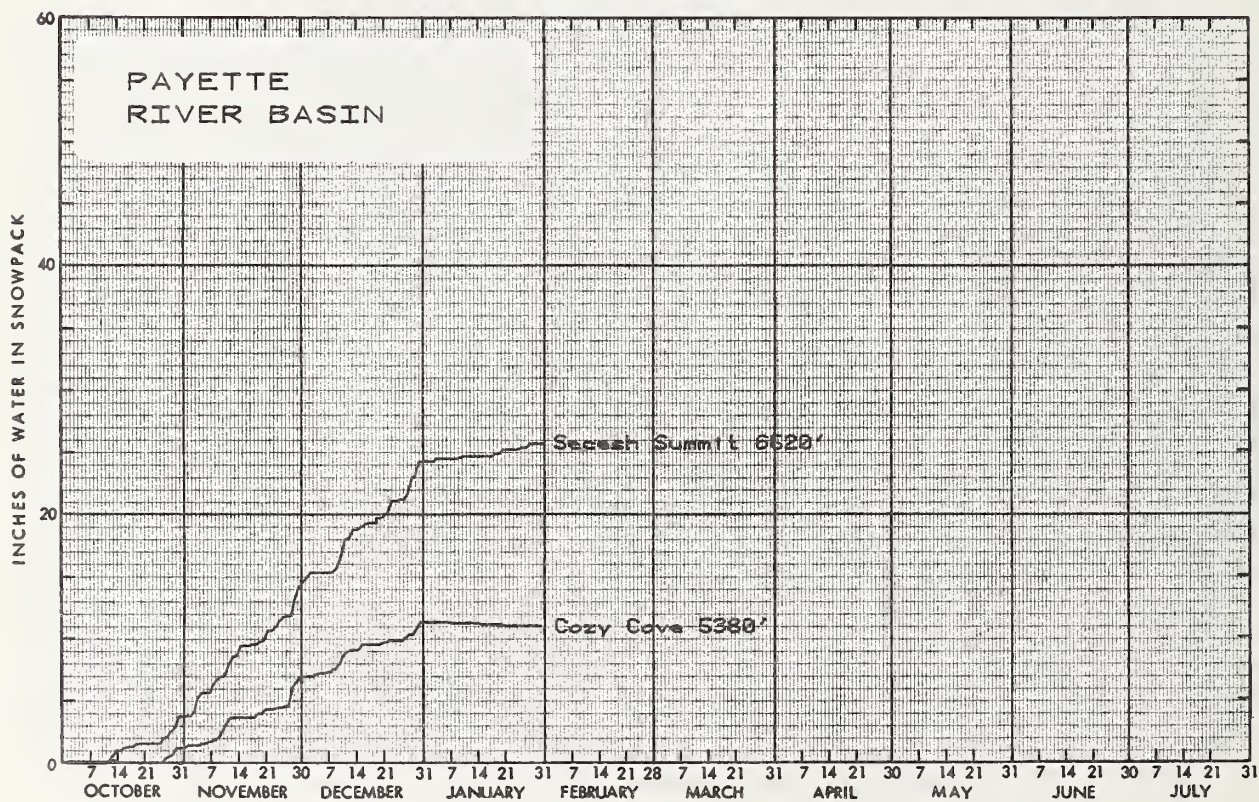
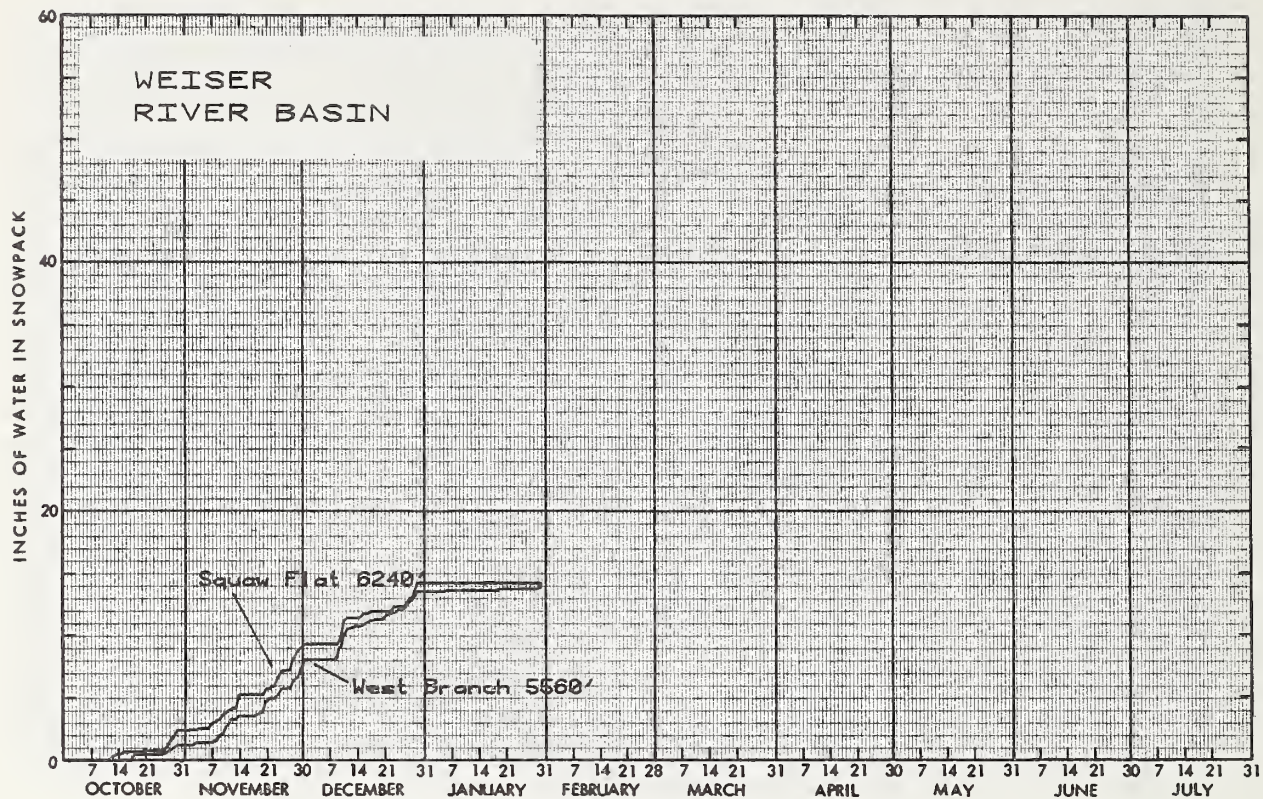
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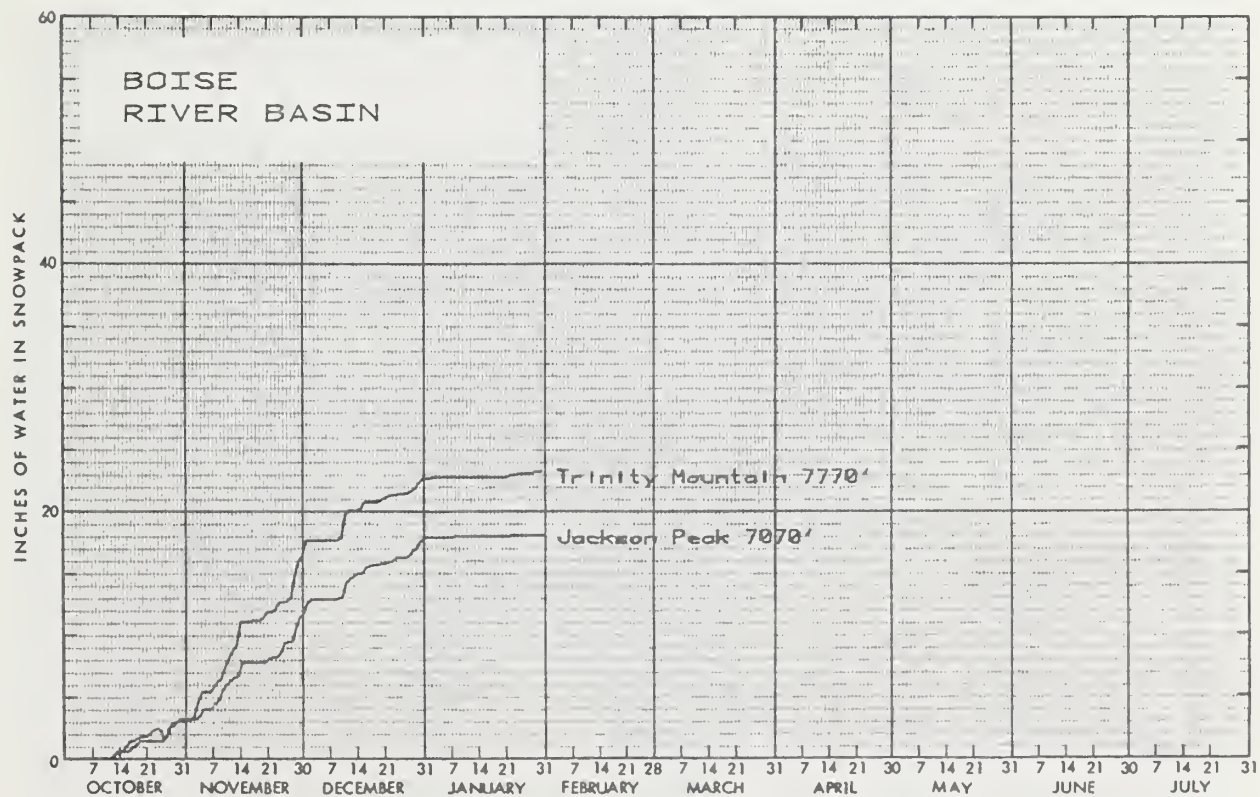
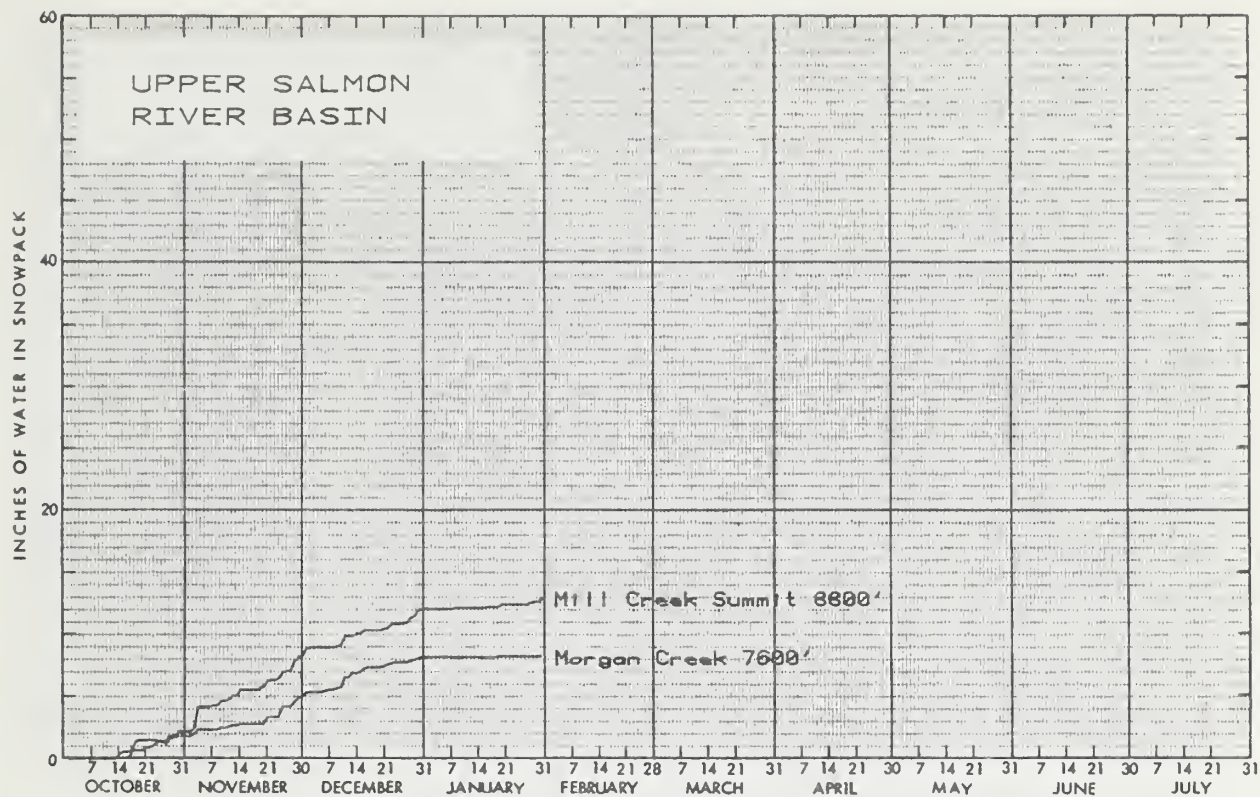
SNOTEL PILLOW DATA			This Year		Past Record	
Data Site Name	Drainage	Elevation	Date	Water Content (inches)	Last Year	61-80 <u>1</u> / Average
South Mountain	Jordan-Owyhee	6500	2/1	NA	22.9	9.2
Spring Creek Divide	Green	9000	2/1	12.7	16.7	--
Squaw Flat	Weiser	6240	2/1	14.3	9.8	16.2
Stickney Mill	Big Lost	7430	2/1	5.1	5.7	5.2
Sunset	Coeur d'Alene	5540	1/31	26.7	--	--
Swede Peak	Little Wood	7640	2/1	9.2	10.0	10.1
Togwotee Pass	Upper Snake	9580	1/31	14.2	15.5	--
Touchet #2	Touchet	5530	2/1	35.4	15.0	--
Trinity Mountain	Boise	7770	2/1	23.3	26.3	28.7
Two Ocean Plateau	Upper Snake	9160	2/1	16.3	15.9	--
Vienna Mine	Salmon	8960	2/1	20.0	22.3	25.5
West Branch	Weiser	5560	2/1	13.8	15.7	18.6
White Elephant	Henrys Fork	7710	2/1	15.3	15.5	16.7
Wildhorse Divide	Portneuf	6490	2/1	NA	NA	--
Willow Creek	Greys	8450	2/1	18.1	25.5	--

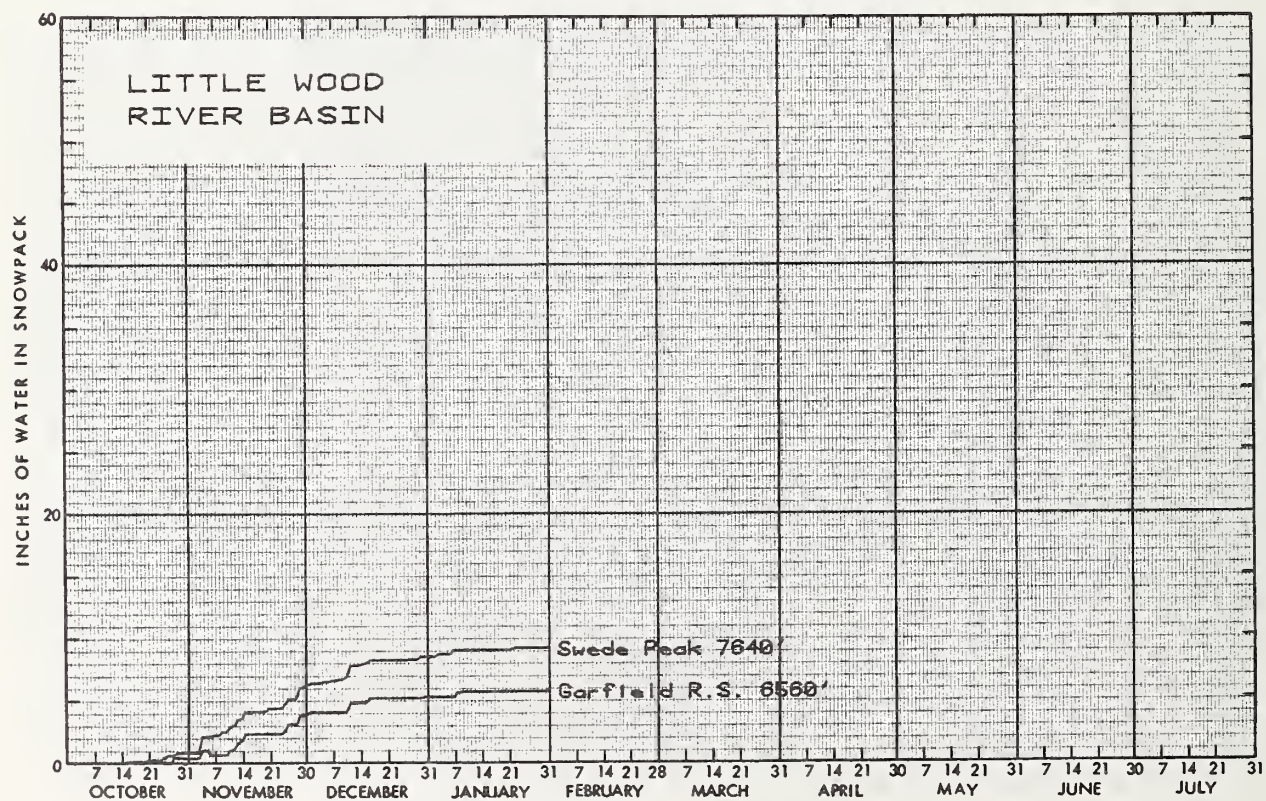
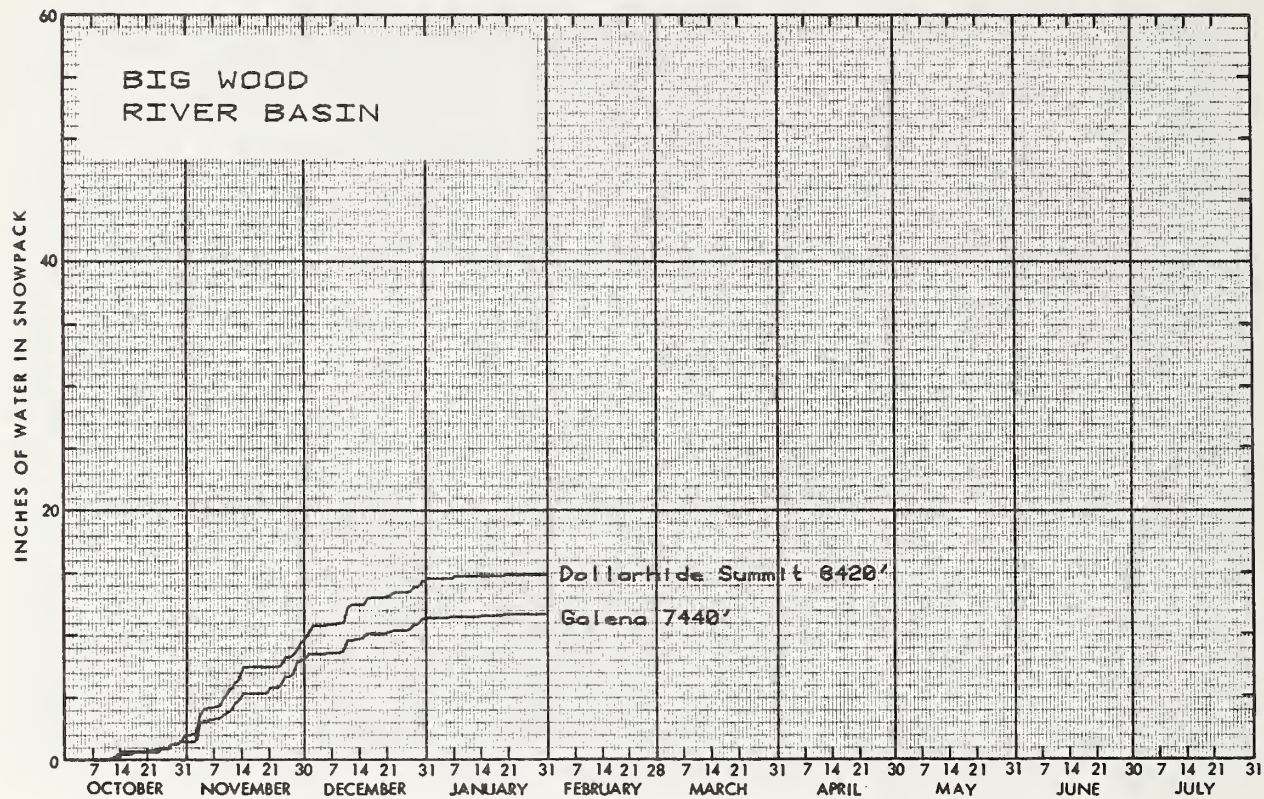
1/ Estimated 1961-1980 20 year average.

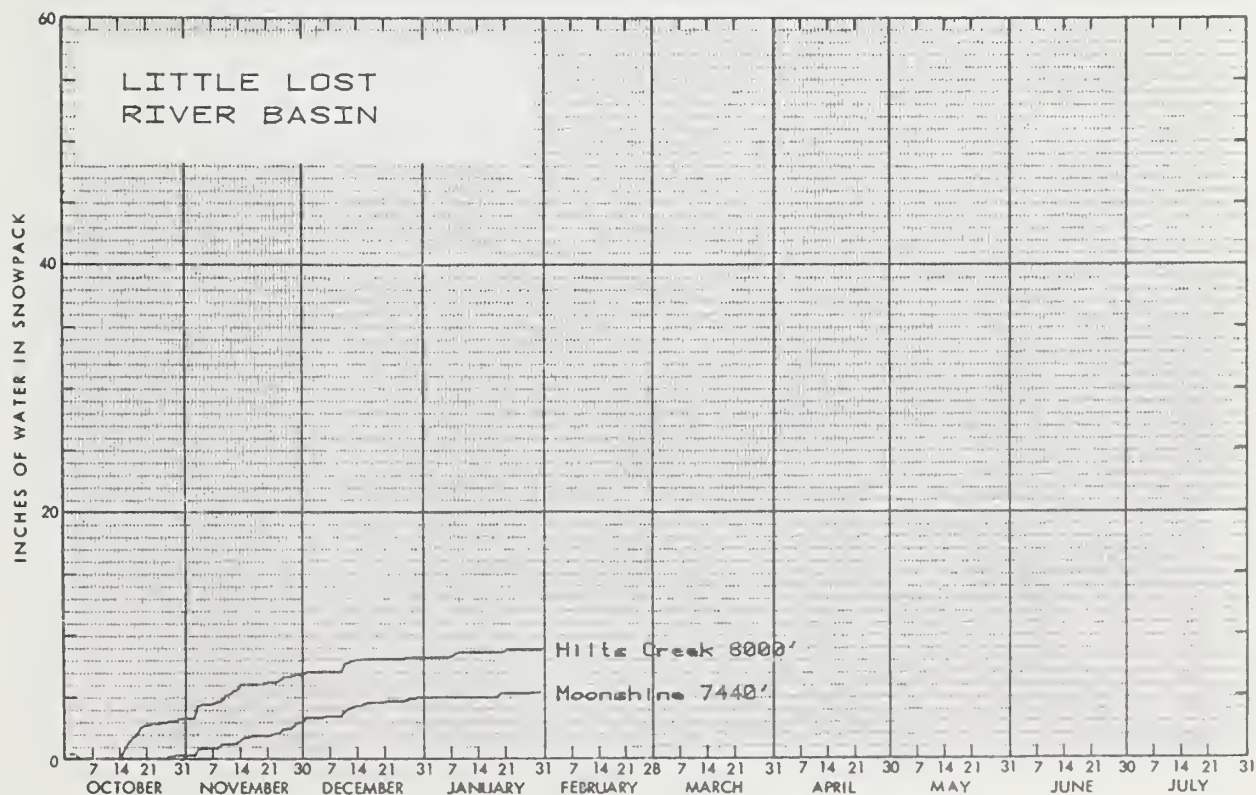
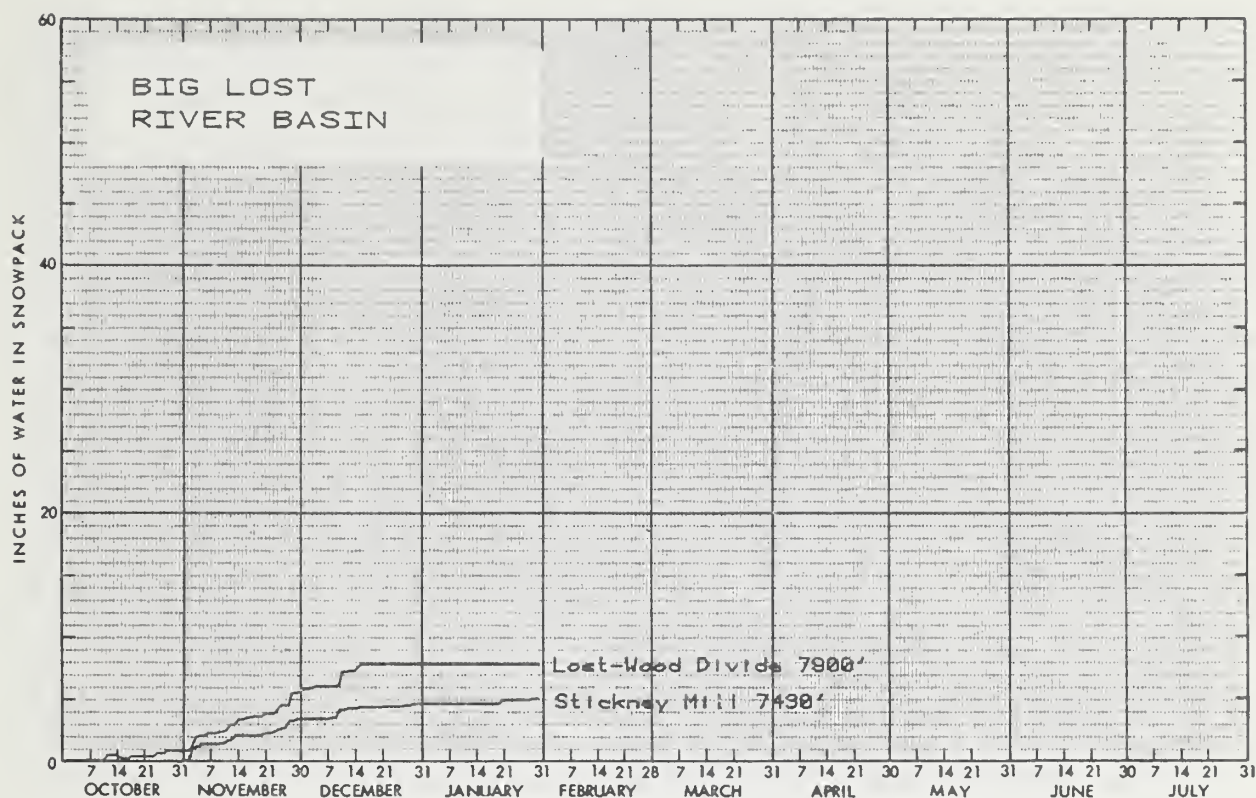
NA Data not available

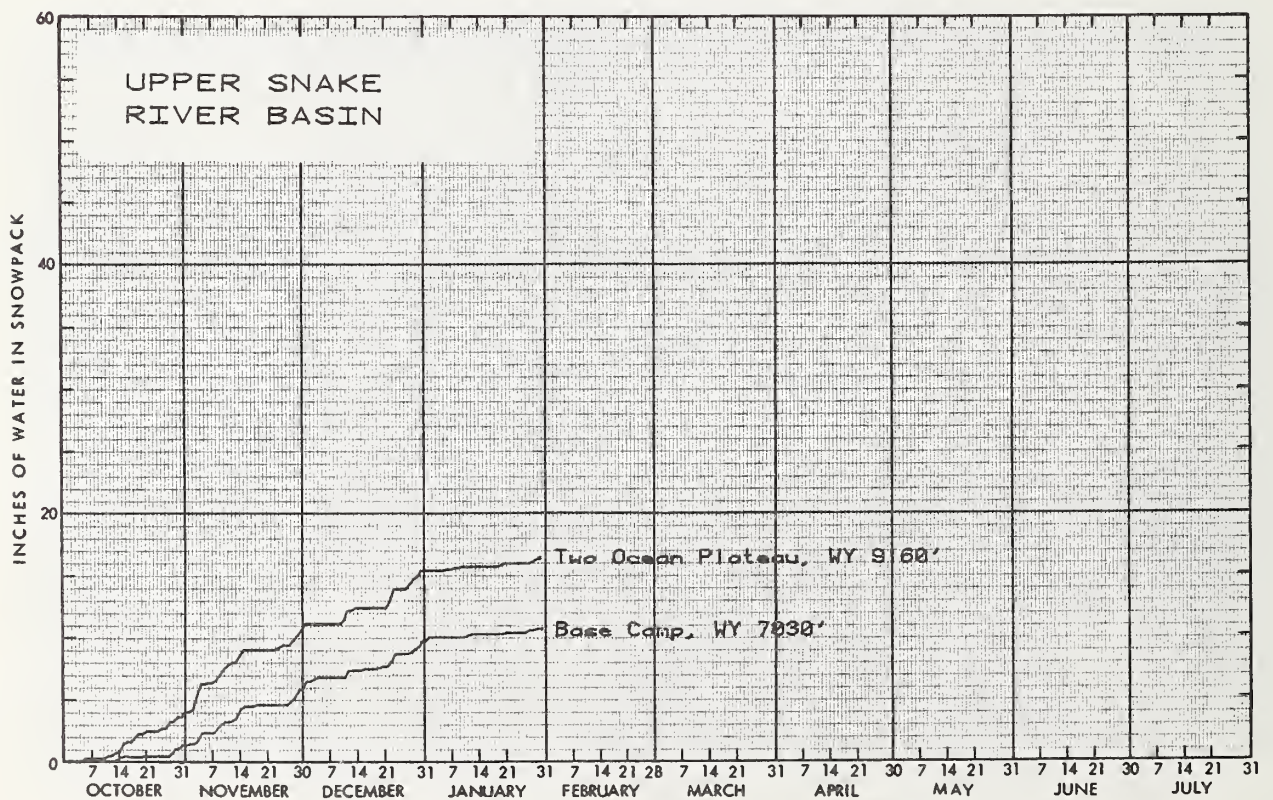
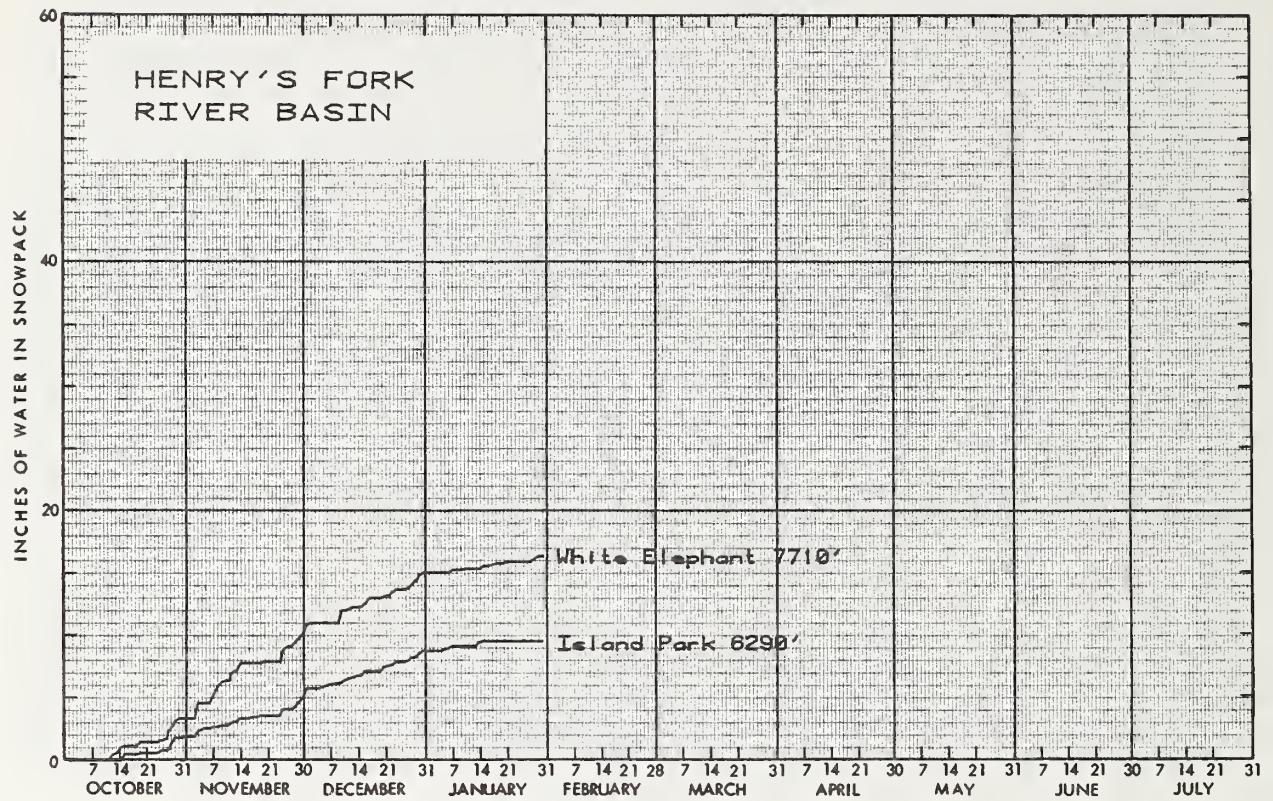


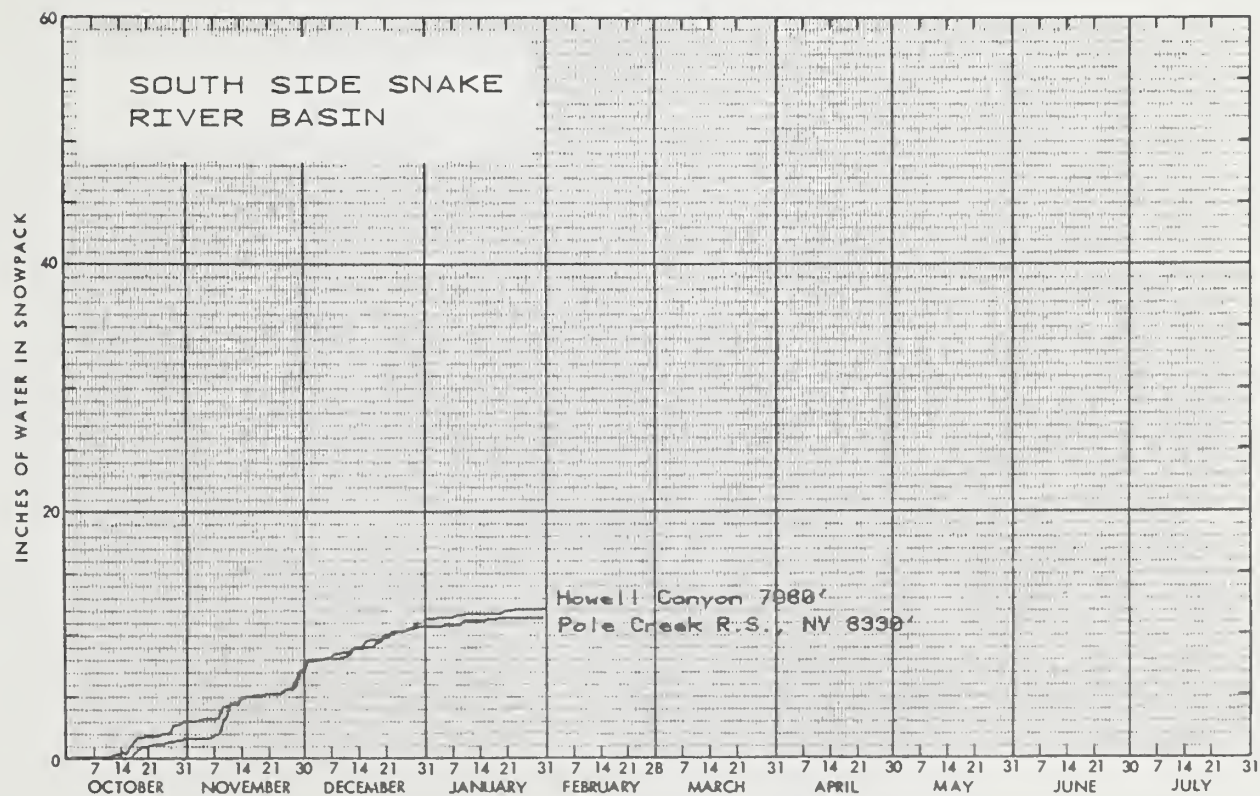
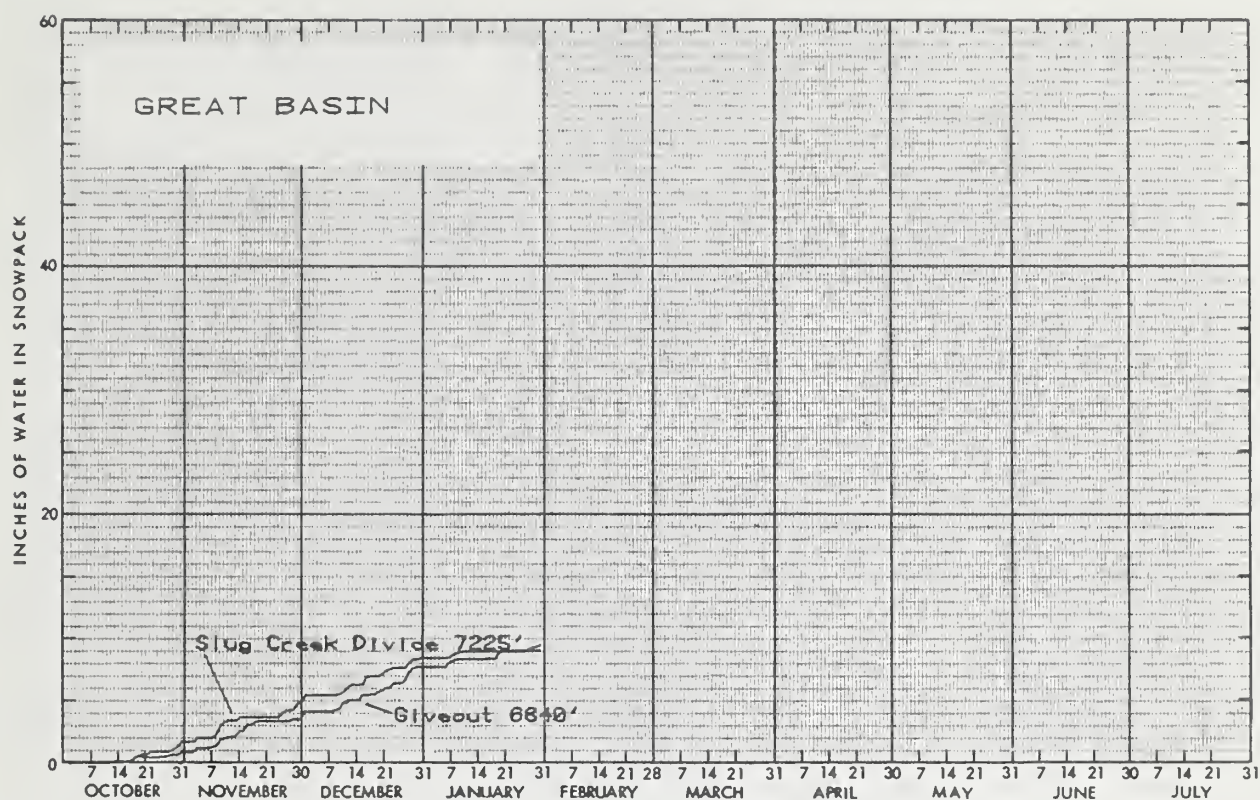


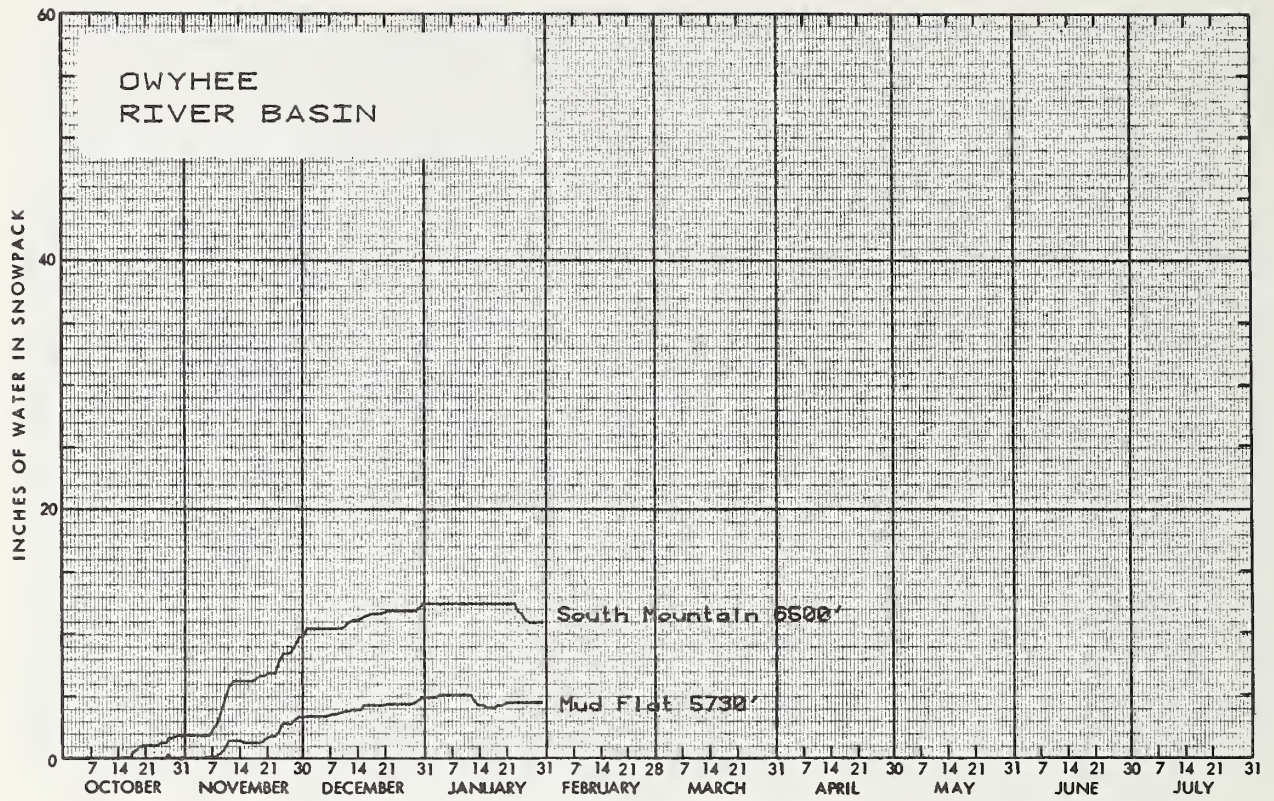












GOVERNMENT AGENCIES

State

Idaho Department of Water Resources
Oregon State Engineer and Corps of State Watermasters

Federal

Montana Cooperative Snow Surveys
Nevada Cooperative Snow Surveys
Oregon Cooperative Snow Surveys
Utah Cooperative Snow Surveys
Wyoming Cooperative Snow Surveys

U.S. Army Corps of Engineers

U.S. Department of Agriculture
Forest Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of Interior
Bureau of Reclamation
Water Resources Division, Geological Survey
Shoshone-Bannock Tribal Council

PUBLIC UTILITIES

Washington Water Power Company
Idaho Power Company

ORGANIZED PUBLIC AGENCIES

Big Lost River Irrigation District
Blaine Soil Conservation District
Boise Project Board of Control
Idaho Water District #01
Little Wood River Irrigation District
Salmon Falls Creek Irrigation Company
Twin Falls Soil Conservation District
Big Wood Irrigation Company
Owyhee Project - North & South Board of Control
Valley Soil Conservation District
Portneuf Soil and Water Conservation District
East Cassia Soil and Water Conservation District
West Cassia Soil and Water Conservation District
Camas Soil and Water Conservation District
Lewiston Orchards Irrigation District

PRIVATE ORGANIZATIONS

FMC Corporation
Cyprus Mining Company
Les Bois Resort

Other organizations and individuals furnish valuable information for snow survey reports. Their cooperation is gratefully acknowledged.

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